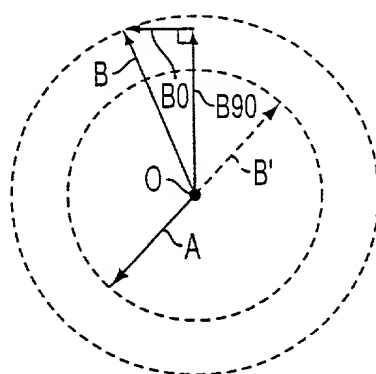
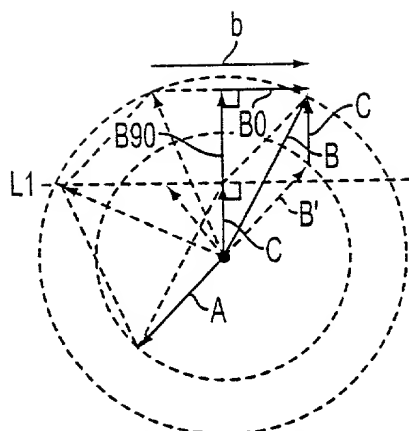


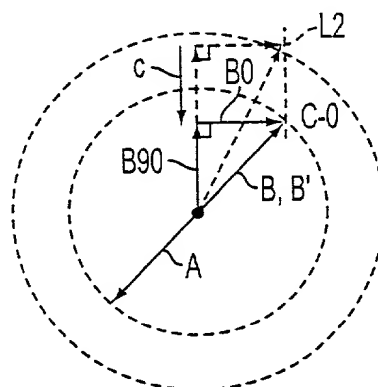
FIG. 1A



INITIAL STATUS  
FIG. 1B



B0 AMPLITUDE CONTROL  
FIG. 1C



B90 AMPLITUDE CONTROL  
FIG. 1D

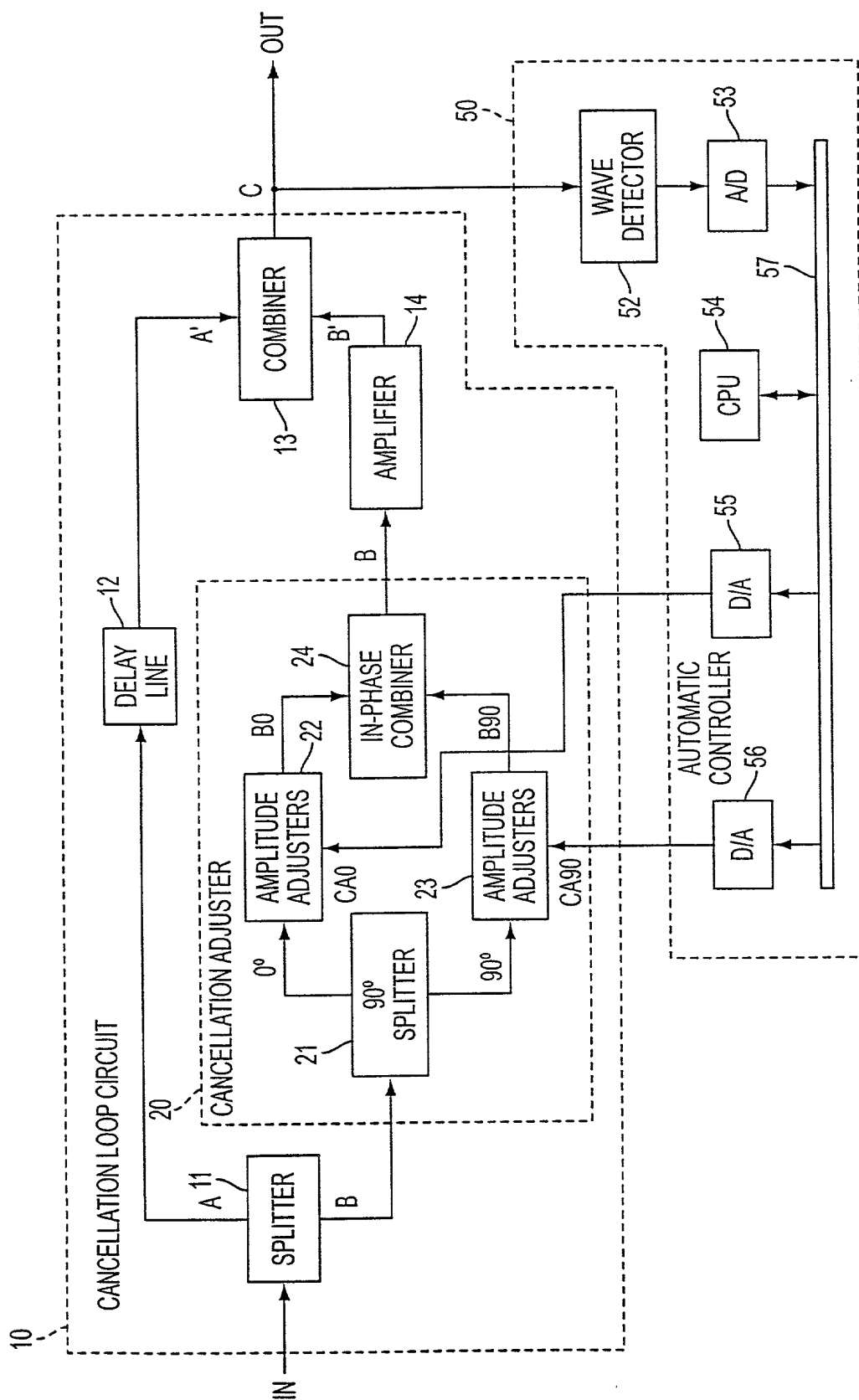
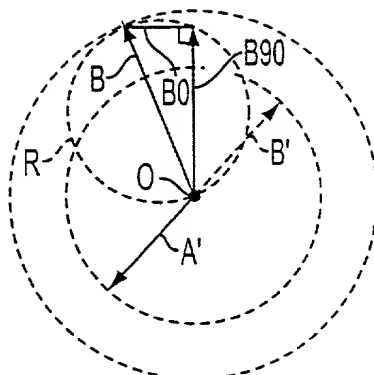
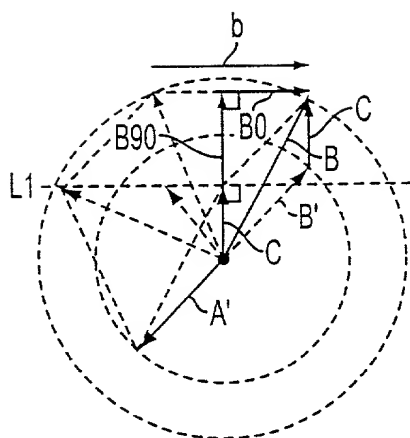


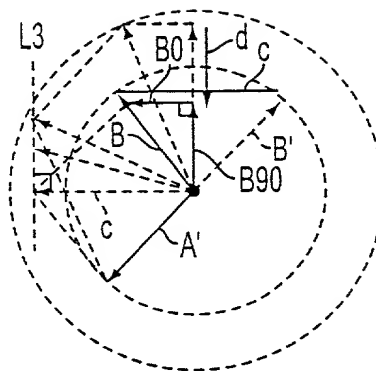
FIG. 2



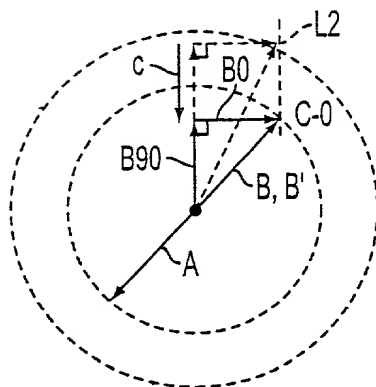
INITIAL STATUS  
FIG. 3A



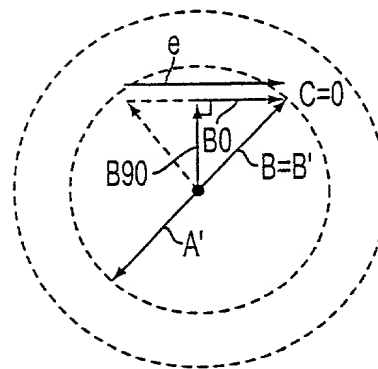
B0 AMPLITUDE CONTROL  
FIG. 3B



B90 AMPLITUDE CONTROL  
FIG. 3D



B90 AMPLITUDE CONTROL  
FIG. 3C



B0 AMPLITUDE CONTROL  
FIG. 3E

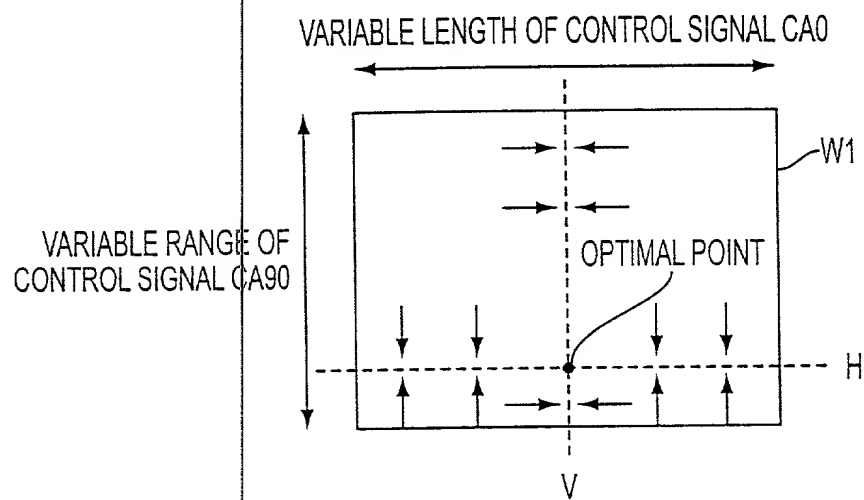


FIG. 4

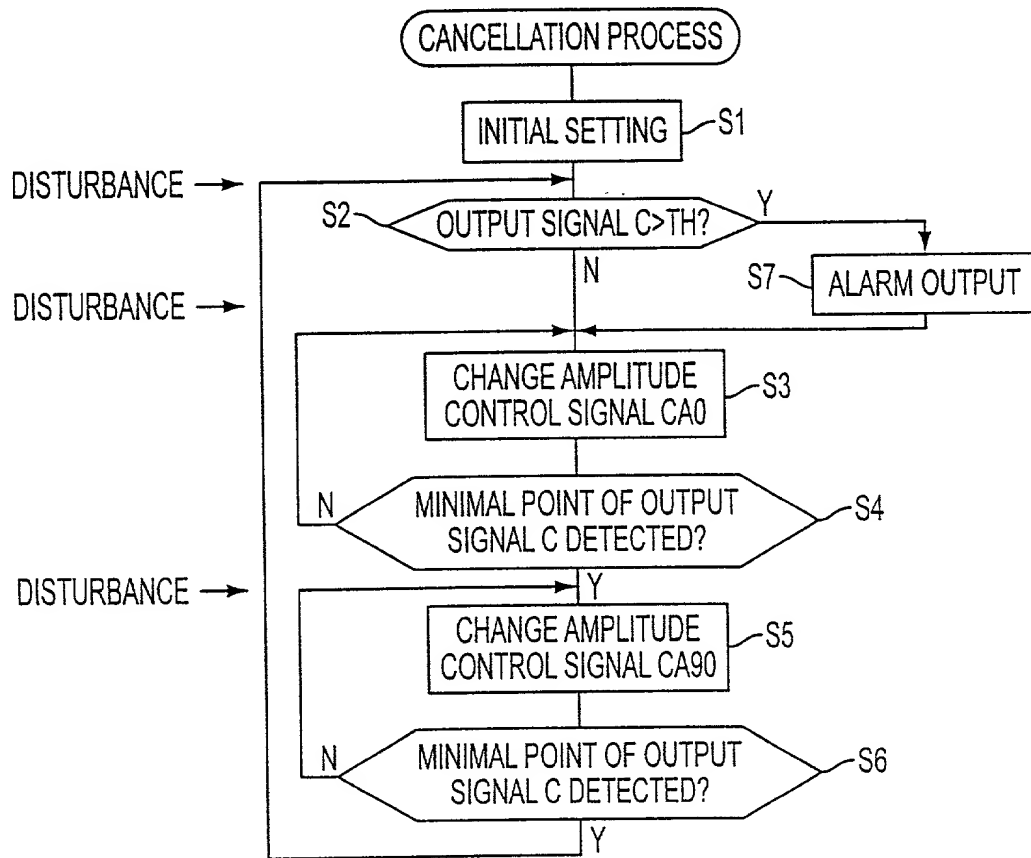


FIG. 5A

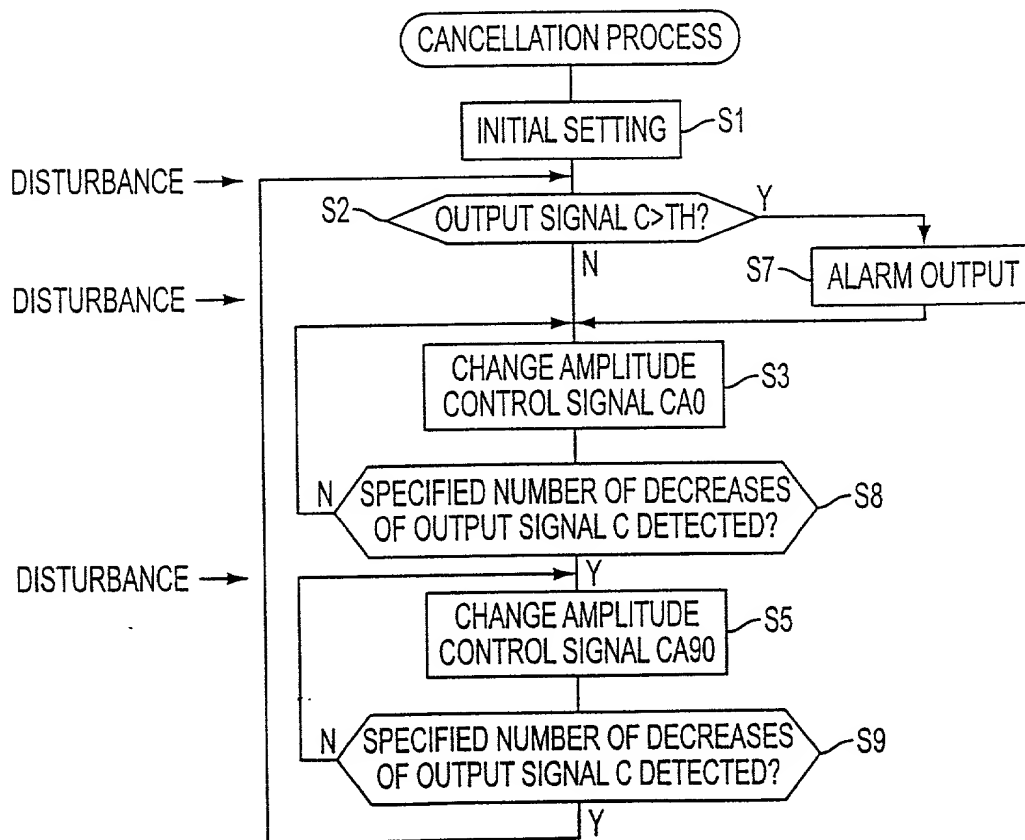


FIG. 5B

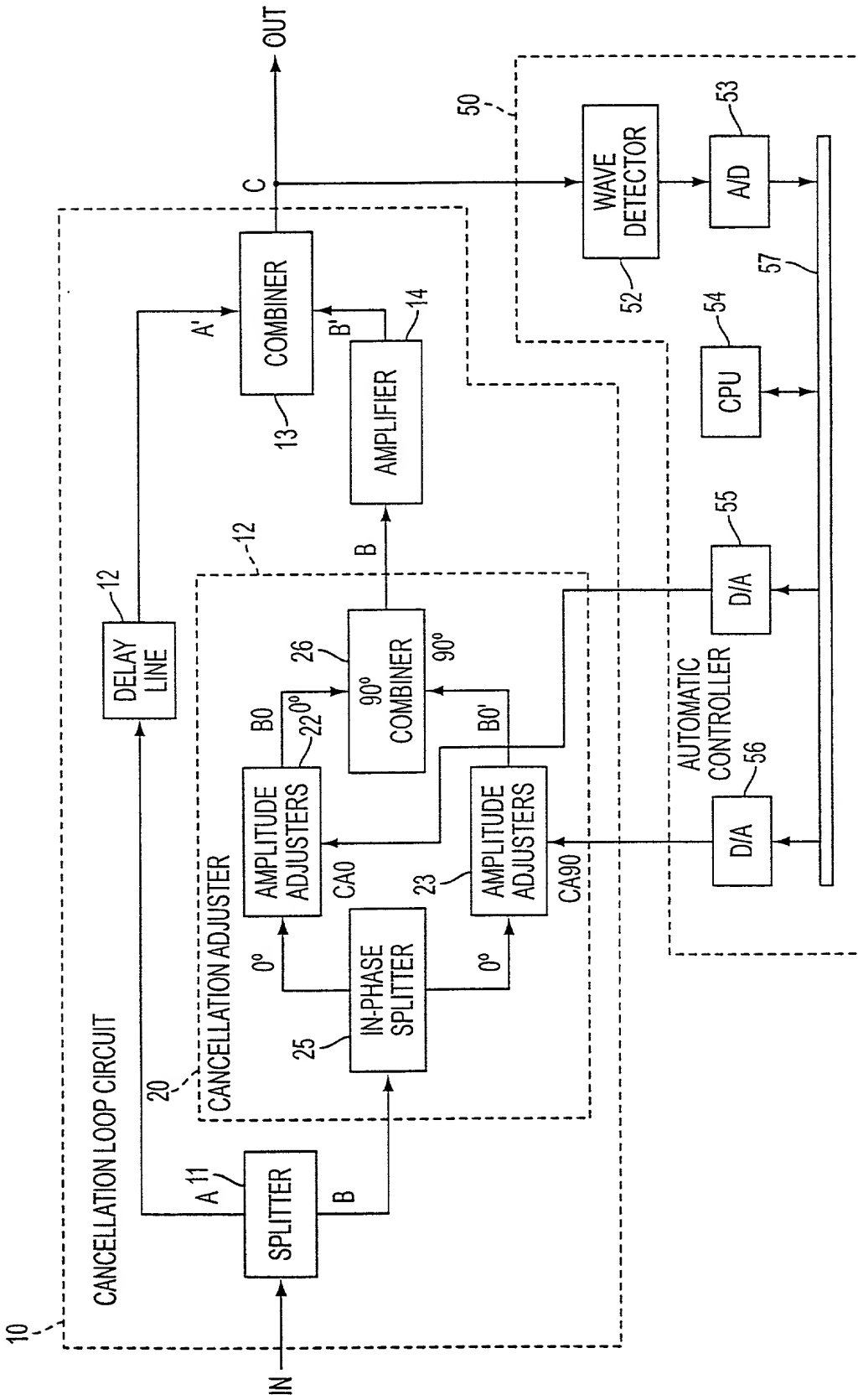


FIG. 6

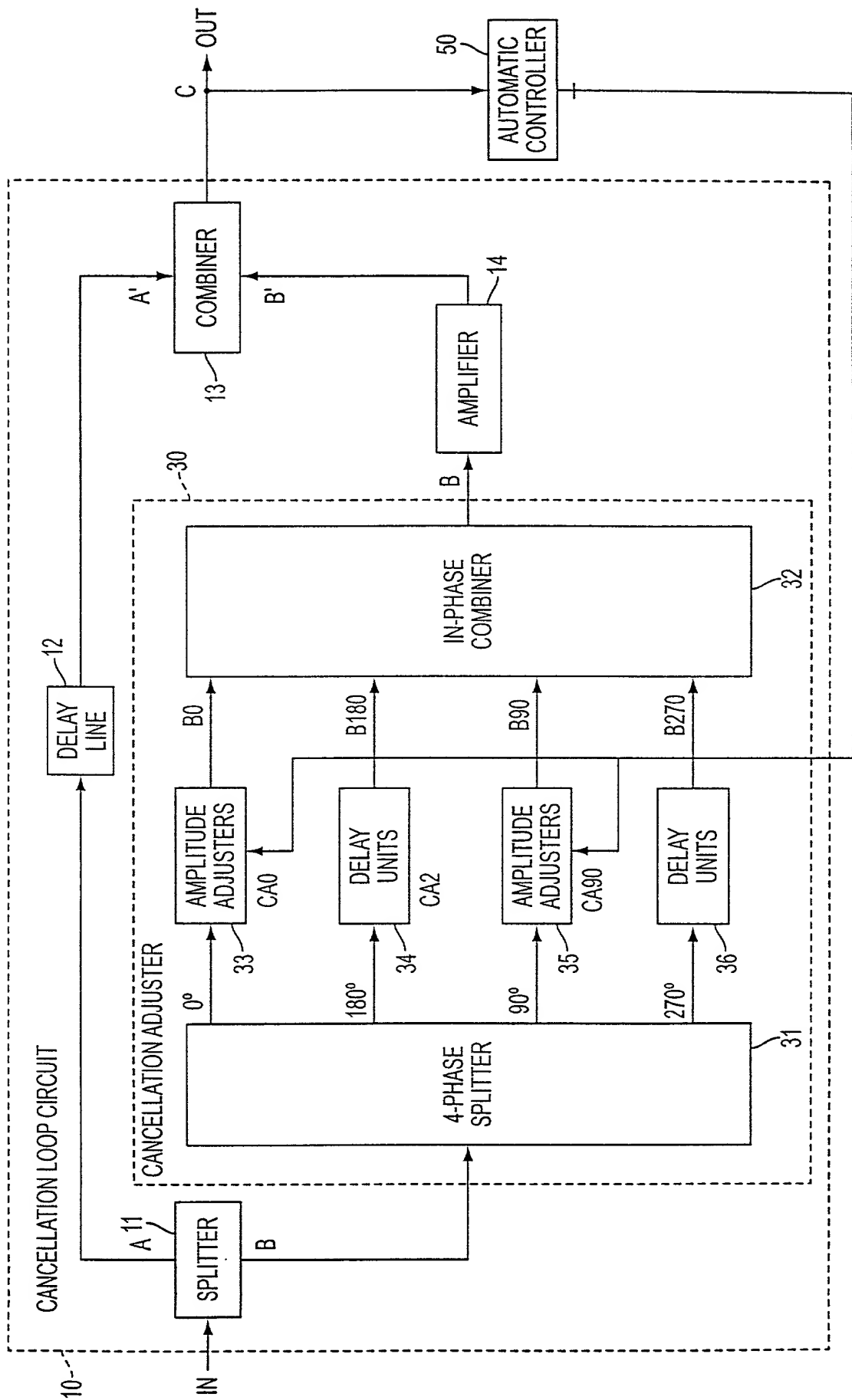


FIG. 7

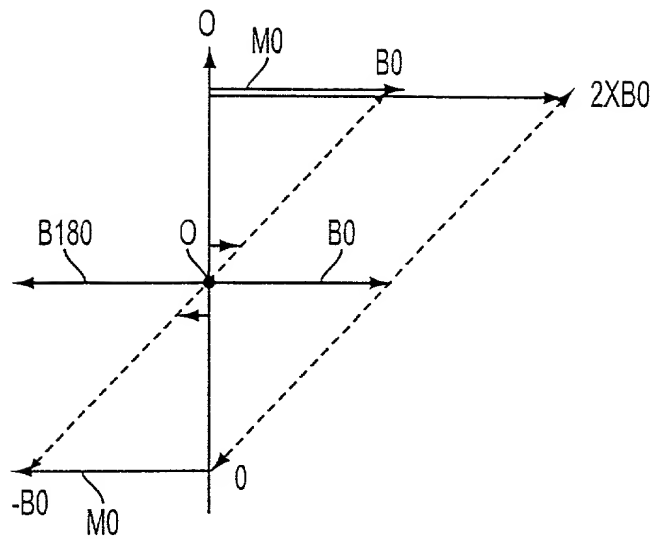


FIG. 8A

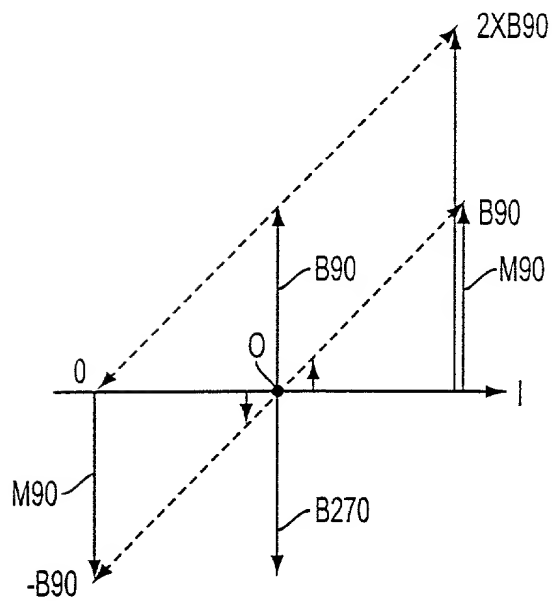


FIG. 8B



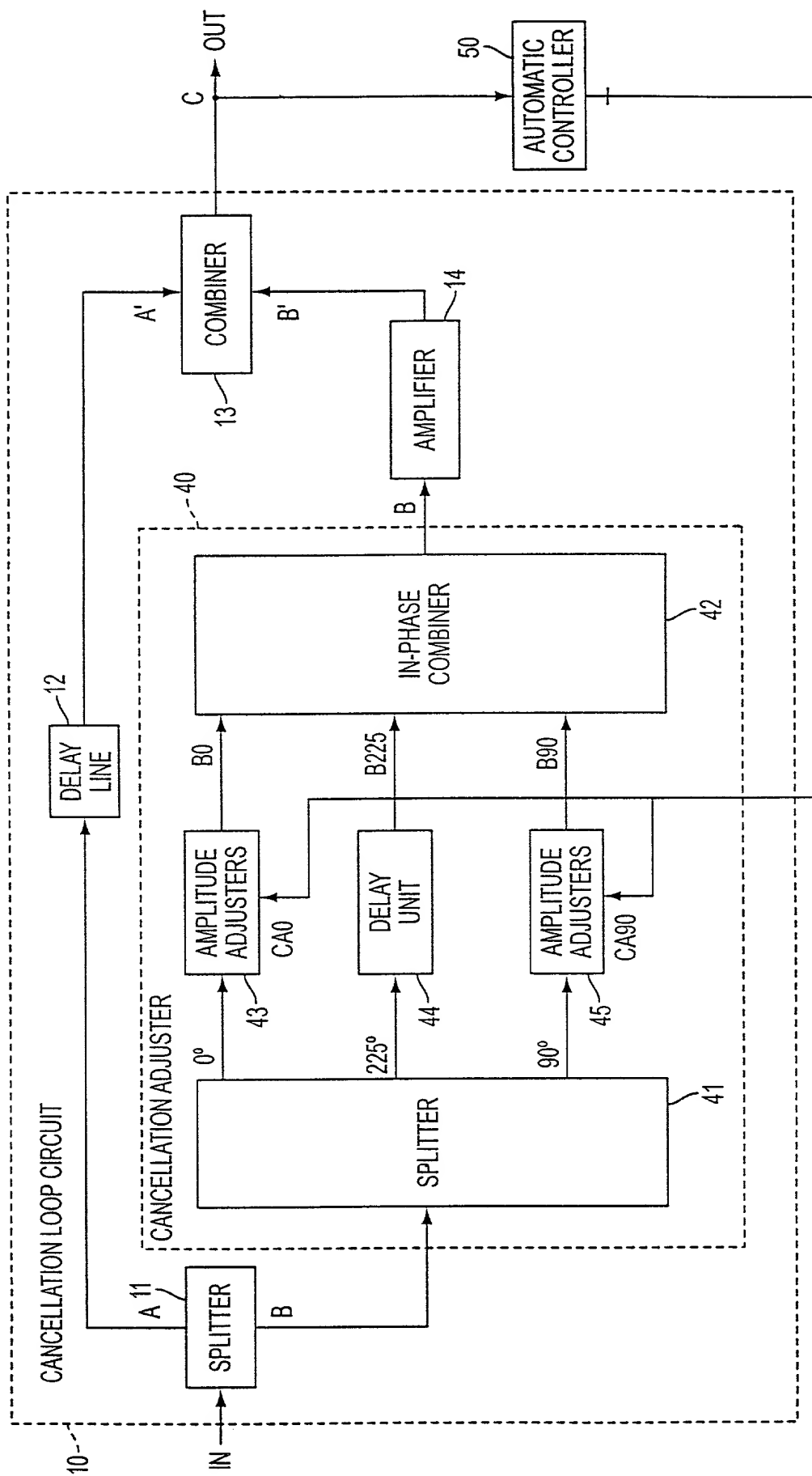


FIG. 9

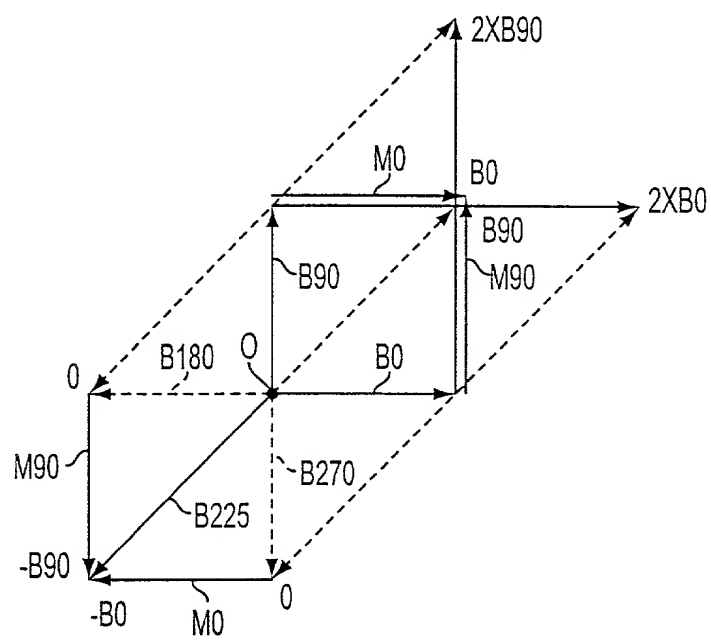


FIG. 10

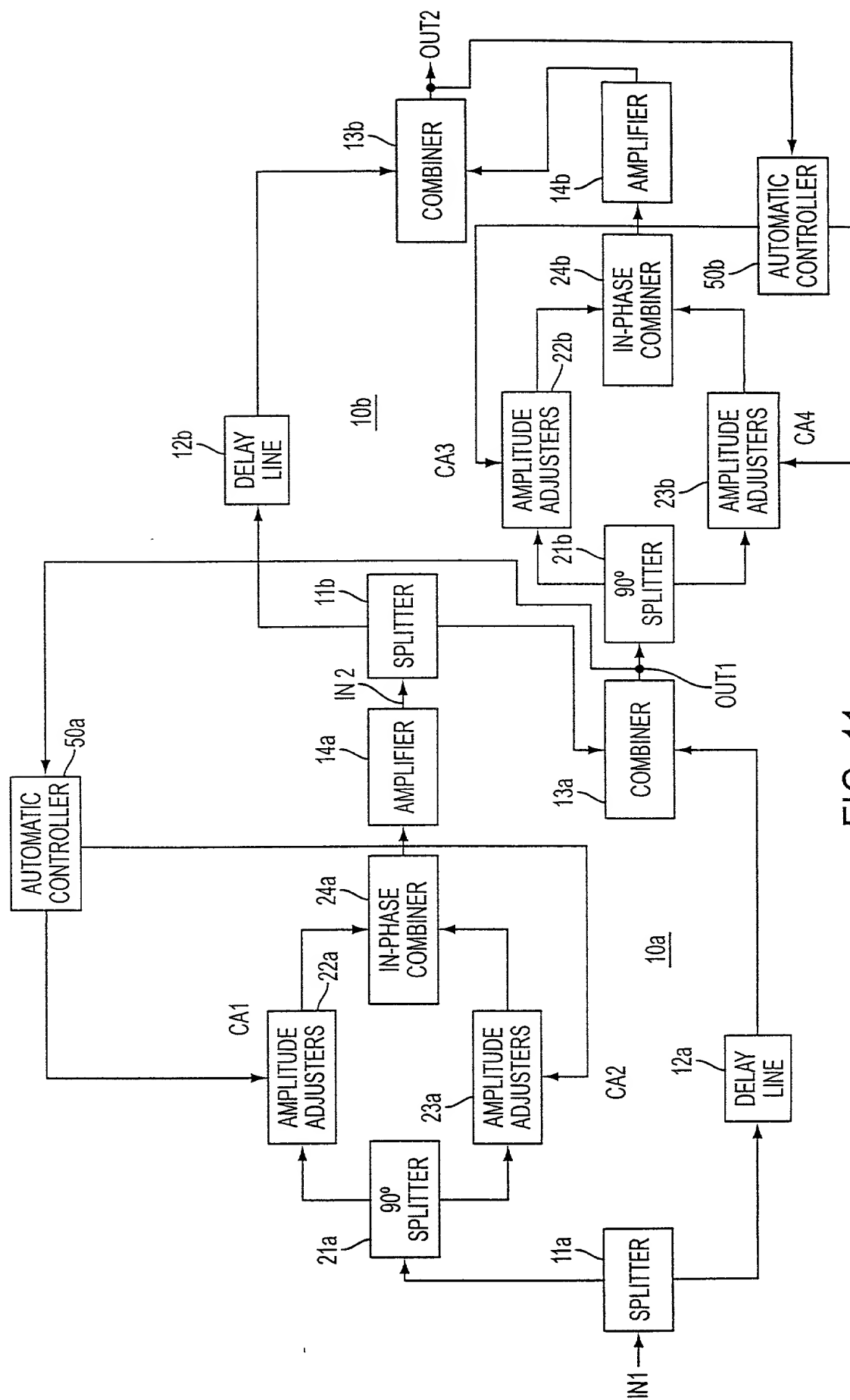


FIG. 11

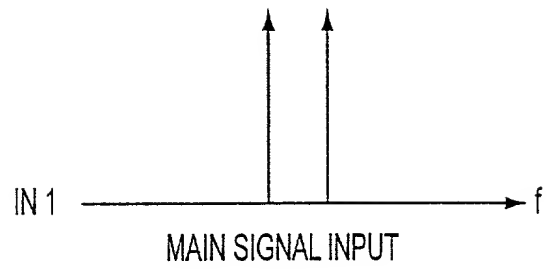


FIG. 12A

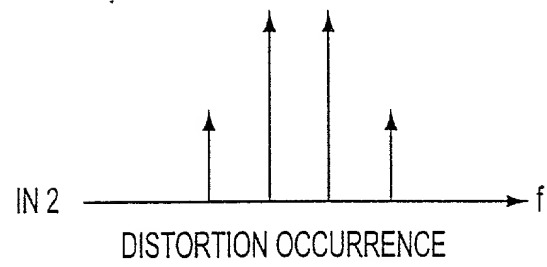


FIG. 12B

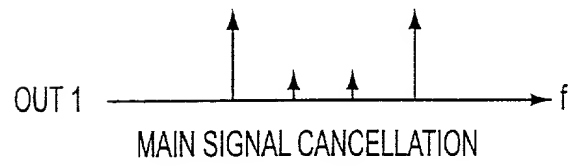


FIG. 12C

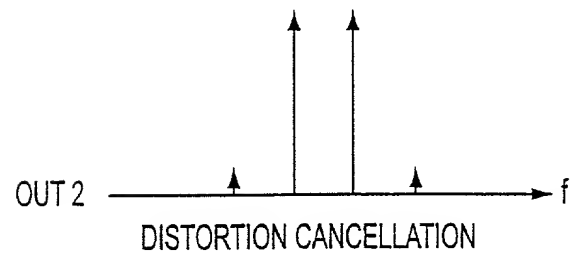
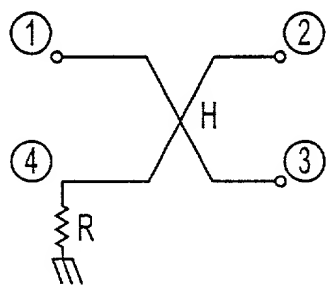
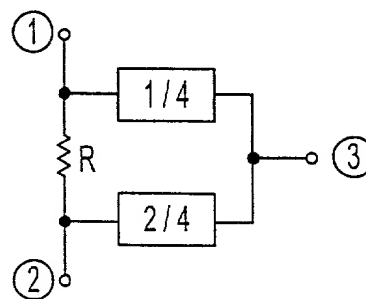


FIG. 12D



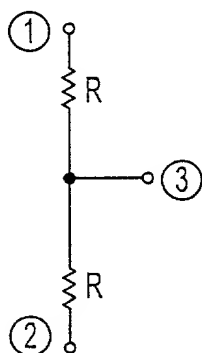
90° SPLITTER-COMBINER

FIG. 13A



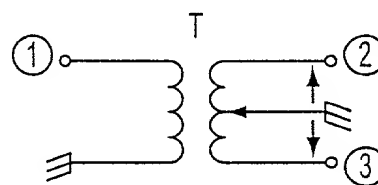
IN-PHASE SPLITTER-COMBINER

FIG. 13B



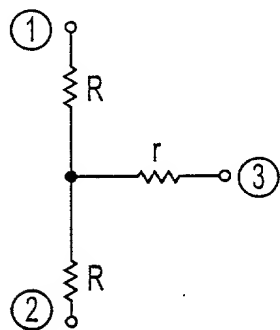
IN-PHASE SPLITTER-COMBINER

FIG. 13C



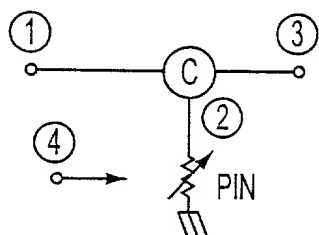
180° SPLITTER-COMBINER

FIG. 13D

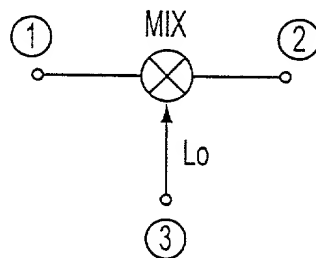


IN-PHASE SPLITTER-COMBINER

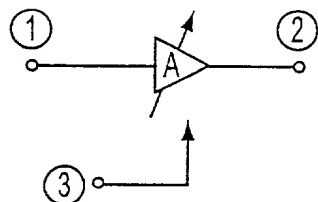
FIG. 13E



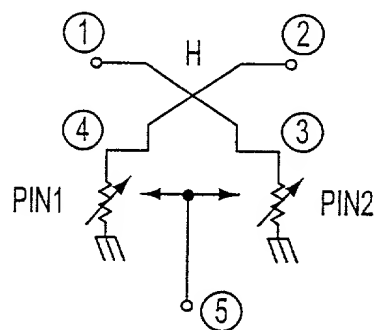
CIRCULATOR TYPE  
FIG. 14A



MIXER TYPE  
FIG. 14B



GAIN CONTROL TYPE  
FIG. 14C



HYBRID TYPE  
FIG. 14D

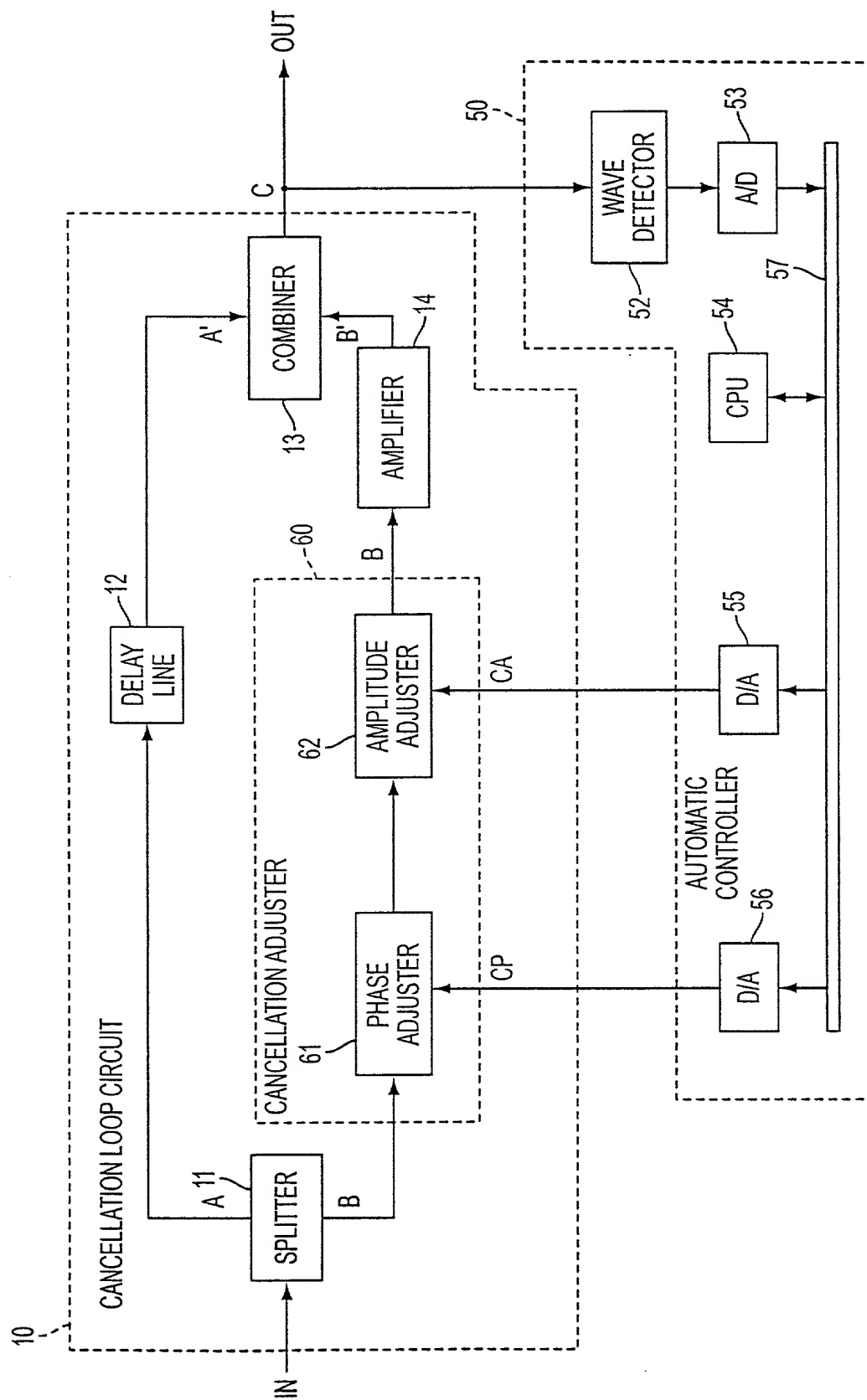
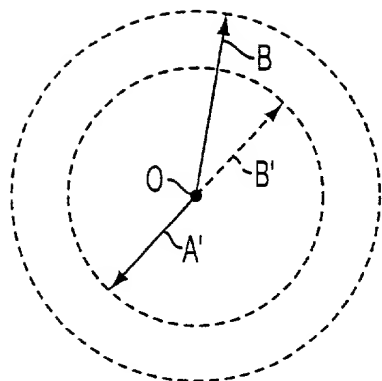
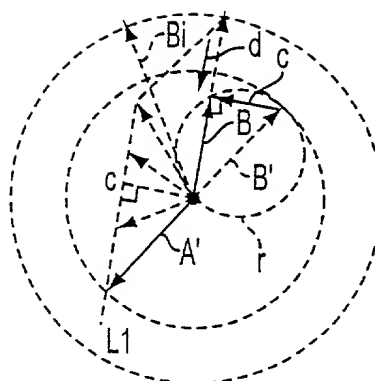


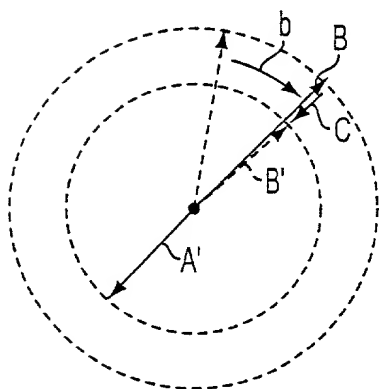
FIG. 15



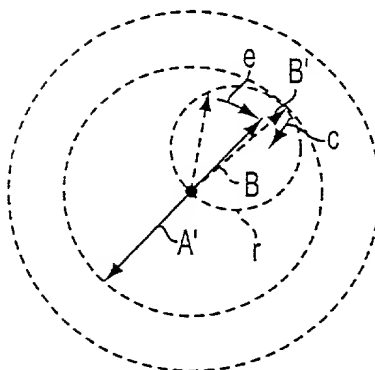
INITIAL STATUS  
FIG. 16A



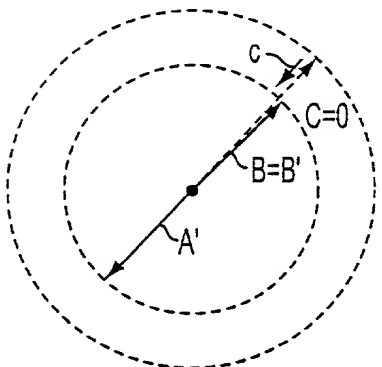
AMPLITUDE CONTROL  
FIG. 16D



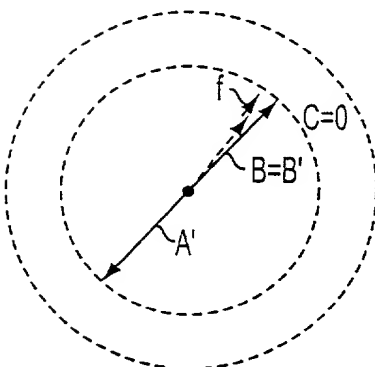
PHASE CONTROL  
FIG. 16B



PHASE CONTROL  
FIG. 16E



AMPLITUDE CONTROL  
FIG. 16C



AMPLITUDE CONTROL  
FIG. 16F



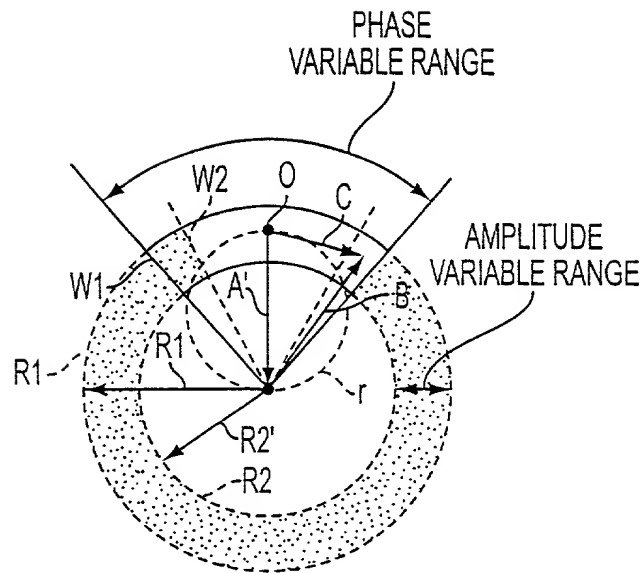


FIG. 17A

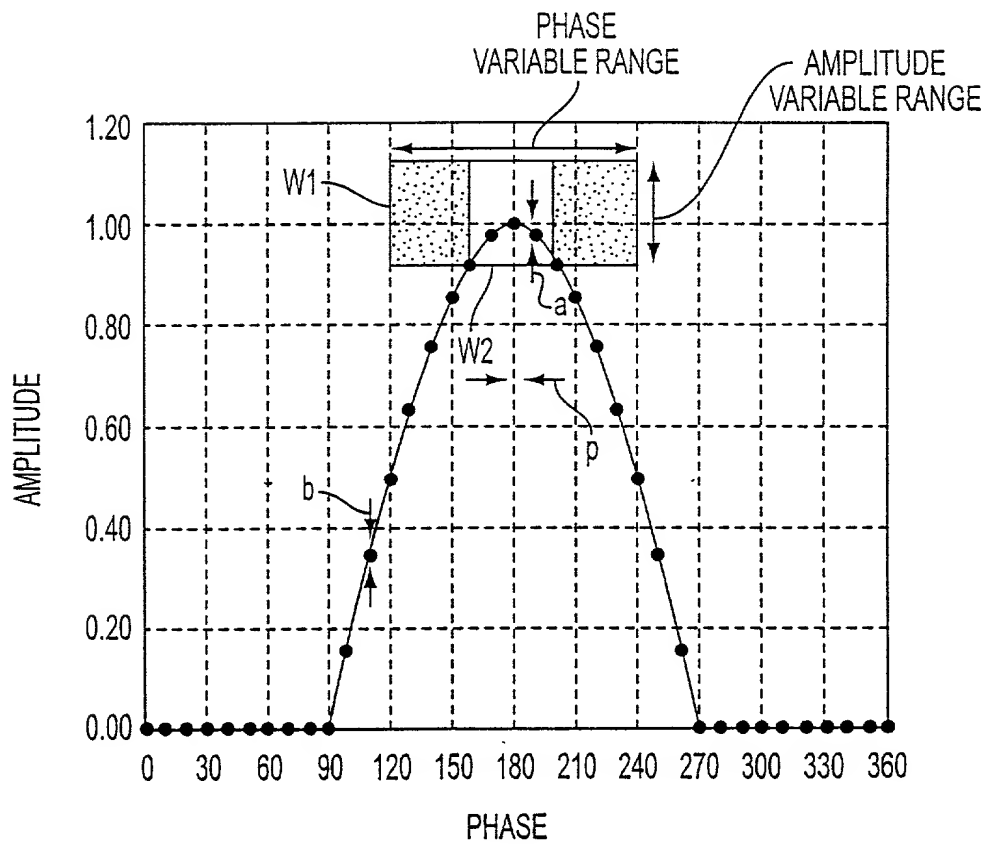


FIG. 17B

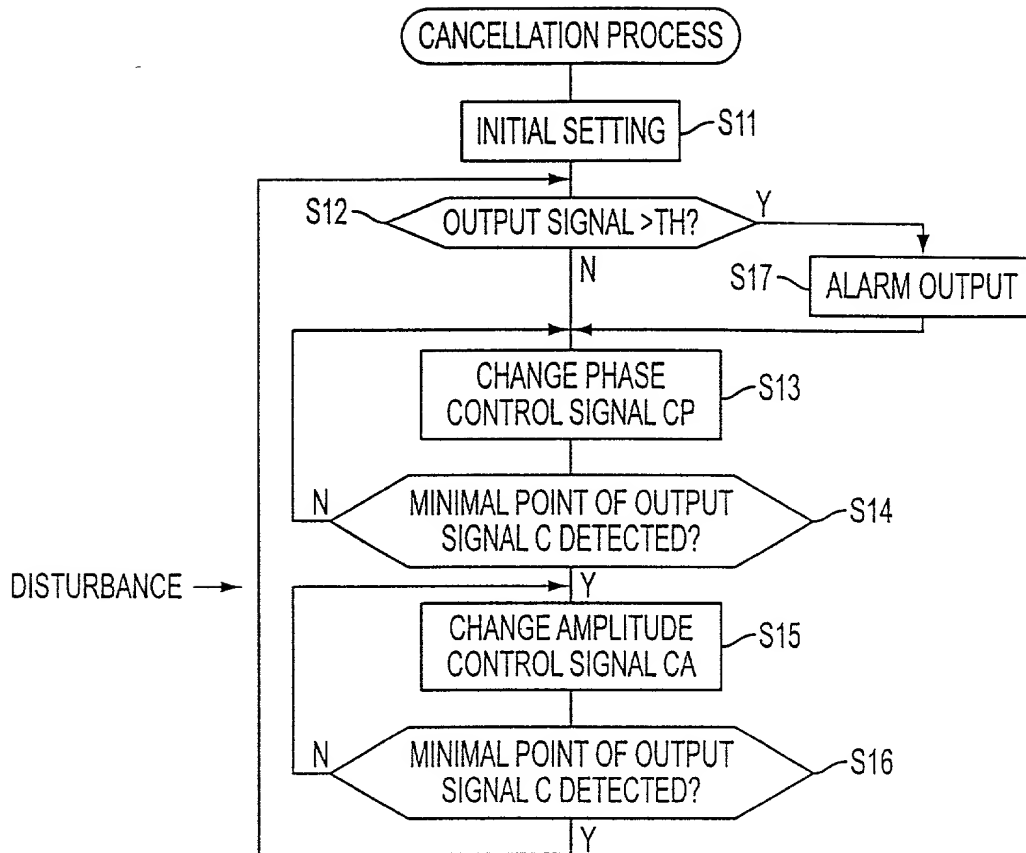


FIG. 18A

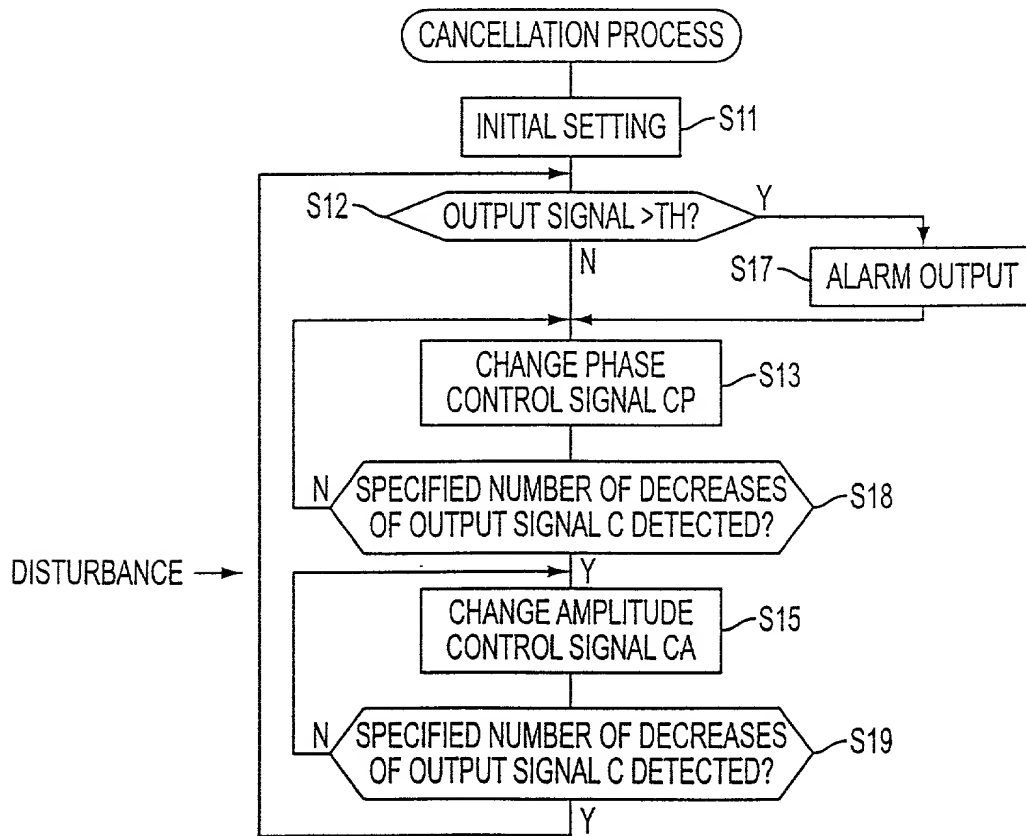


FIG. 18B